PUBLIC WORKS DEPARTMENT,

GENERAL ESTABLISHMENT.

FOR THE MONTH OF FEBRUARY 1891.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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FOR THE MONTH OF FEBRUARY 1891.

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PUBLIC WORKS DEPARTMENT,

GENERAL ESTABLISHMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

FOR THE MONTH OF FEBRUARY 1891.

General.
Establishment.

READ—the following papers :—

From Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Rayakota, 30th November 1890, No. 376-E.W.

No. 17, dated 20th May 1890.

Adverting to the remarks of the Examiner in his District List No. 17 of 20th May 1890 on the salary bill of Coimbatore division for April 1890, as per margin, I have the honor to submit, herewith, a proposition statement of the lower subordinate, office and petty establishments required for the newly-amalgamated Coimbatore division with that of Nílgiri division, and to request you will be good enough to obtain orders of Government authorizing the Examiner to admit the pay of the establishment as per revised scale.

ENCLOSURE.

IV CIRCLE.

STATEMENT of proposition for revision of establishment.

Order of Government sanctioning the present establishment. — Number.	Date.	Office to which the proposition refers.	Nature of change. — Present scale. — No.	Designation.	Pay. — Minimum.	Increment.	Maximum.	Average or fixed.	Proposed scale. — No.	Designation.	Pay. — Minimum.	Increment.	Maximum.	Average or fixed.	Proposition. — Permanent. — Increase per month. — Amount.	Decrease per month. — Amount.	Temporary. — Increase per month. — Period.	Amount.	Decrease per month. — Period.	Amount.
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.
				DIVISION OFFICE. *Petty.*																
			1	Storekeeper	25	..	25	25	1	Storekeeper	25	..	25	25	..	..	..	..	..	..
			2	Lascars on Rs. 7 each ..	14	..	14	14	2	Lascars at Rs. 7.. ..	14	..	14	14	..	..	..	..	..	..
			1	Lascar on Rs. 6 ..	6	..	6	6	1	Lascar at Rs. 6	6	..	6	6	..	..	..	..	..	..
				Office.																
			1	Clerk, 3rd class, 2nd grade.	60	4	80	75	1	Clerk, 3rd class, 2nd grade.	60	4	80	75	..	..	..	..	..	..
			1	Do. 4th do. 1st do.	40	2	50	47½	1	Do. 4th do. 1st do.	40	2	50	47½	..	..	..	..	..	..
			1	Do. 4th do. 2nd do.	30	2	40	37½	1	Do. 4th do. 2nd do.	30	2	40	37½	..	..	..	..	..	..
			2	Clerks, 4th do. 3rd do.	40	4	60	55	2	Clerks, 4th do. 3rd do.	40	4	60	55	..	..	..	..	..	..
			1	Messenger on Rs. 7 ..	7	..	7	7	1	Messenger at Rs. 7 ..	7	..	7	7	..	..	..	..	..	..
			1	Do. on Rs. 6 ..	6	..	6	6	1	Do. at Rs. 6 ..	6	..	6	6	..	..	..	..	..	..
				NILGIRI SUB-DIVISION OFFICE. *Lower Subordinate.*																
			1	Sub-Overseer	50	10	70	60	1	Sub-Overseer	50	10	70	60	..	60	..	..	..	..
			1	Do.	50	10	70	60												
				Petty.																
			3	Lascars on Rs. 8 each ..	24	..	24	24	3	Lascars on Rs. 8 each ..	24	..	24	24	..	..	..	..	..	..
			3	Watchmen do. ..	24	..	24	24	3	Watchmen do. ..	24	..	24	24	..	..	..	..	..	..
				Office.																
			1	Clerk, 4th class, 2nd grade.	30	2	40	37½	1	Clerk, 4th class, 2nd grade.	30	2	40	37½	..	..	..	..	..	..
and 1058 W.	28th April 1884.	division.	1	Messenger on Rs. 9 ..	9	..	9	9	1	Messenger on Rs. 9 ..	9	..	9	9	..	..	..	..	..	..

G.Os., Nos. 1729 W.	14th July and	Coimbatore		COIMBATORE SUB-DIVISION OFFICE.																
				Petty.																
			1	Lascar on Rs. 7	7	..	7	7	1	Lascar on Rs. 7 ..	7	..	7	7	..	..	..	..	..	..
			2	Lascars on Rs. 6 ..	12	..	12	12	2	Lascars on Rs. 6 each ..	12	..	12	12	..	..	..	..	..	..
				Office.																
			1	Clerk, 4th class, 3rd grade.	20	2	30	27½	1	Clerk, 4th class, 3rd grade.	20	2	30	27½	..	..	..	..	..	..
			1	Messenger on Rs. 6 ..	6	..	6	6	1	Messenger on Rs. 6 ..	6	..	6	6	..	..	..	..	..	..
				ERODE SUB-DIVISION OFFICE.																
				Petty.																
			1	Lascar on Rs. 7 ..	7	..	7	7	1	Lascar on Rs. 7 ..	7	..	7	7	..	..	..	..	..	..
			2	Lascars on Rs. 6 each ..	12	..	12	12	2	Lascars on Rs. 6 each ..	12	..	12	12	..	..	..	..	..	..
				Office.																
			1	Clerk, 4th class, 3rd grade.	20	2	30	27½	1	Clerk, 4th class, 3rd grade.	20	2	30	27½	..	..	..	..	..	..
			1	Messenger on Rs. 7 ..	7	..	7	7	1	Messenger on Rs. 7 ..	7	..	7	7	..	..	..	..	..	..
				SALEM SUB-DIVISION OFFICE.																
				Petty.																
			1	Lascar on Rs 6	6	..	6	6	1	Lascar	6	..	6	6	..	..	..	..	..	..
			2	Lascars on Rs. 7 each ..	14	..	14	14	2	Lascars on Rs. 7 each ..	14	..	14	14	..	..	..	..	..	..
				Office.																
			1	Clerk, 4th class, 3rd grade.	20	2	30	27½	1	Clerk, 4th class, 3rd grade.	20	2	30	27½	..	..	..	..	..	..
			1	Messenger on Rs. 8 ..	8	..	8	8	1	Messenger on Rs. 8 ..	8	..	8	8	..	..	..	..	..	..
										Lower Subordinate.										
				TIRUPATUR SUB-DIVISION.					1	Sub-Overseer	35	5	45	40	40	..	..	..	..	..
				Petty.						*Petty.*										
			3	Lascars on Rs. 6 each ..	18	..	18	18	3	Lascars on Rs. 6 each ..	18	..	18	18	..	..	..	..	..	..
				Office.						*Office.*										
			1	Clerk, 4th class, 3rd grade.	20	2	30	27½	1	Clerk, IV class, 3rd grade.	20	2	30	27½	..	..	..	..	..	..
			1	Messenger on Rs. 6 ..	6	..	6	6	1	Messenger on Rs. 6 ..	6	..	6	6	..	..	..	..	..	..
				Total ..	..	..	..	700½			..	..	..	680½	40	60	..	..	..	..

RAYAKOTA,
30th November 1890.

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Colonel, R.E.,
Superintending Engineer, IV Circle.

From the Examiner, Public Works Accounts, dated 24th January 1891, No. 505.

The entries in column "present scale" represent the sanctioned scale of establishment for Coimbatore division *plus* so much of the late Nílgiri division establishment as were not transferred to Military Works.

2. The average pay of each progressive appointment has been entered instead of the financial value (*vide* Civil Service Regulations, article 164). The necessary correction has been made by this office.

3. A separate scale of office establishment for detached officers and overseers is not necessary as this is regulated with reference to the number of detached officers and overseers actually present on duty.

4. Personal allowances granted to certain lascars and messengers should not be shown as a saving, inasmuch as those allowances will have to be continued to the existing incumbents.

5. There are at present 3 clerks, IV class, 3rd grade, under overseers, instead of 3 clerks, V class, 1st grade, due to the transfer of detached officers above the rank of overseer from the division, their places being filled by overseers. These clerks will have to be treated as supernumerary in their particular grades and absorbed on the occurrence of vacancies.

ORDER—dated 6th February 1891, No. 346 W., Public Works.

The proposition statement for the revision of establishment attached to the Coimbatore division is sanctioned as amended.

2. The attention of the Superintending Engineer, IV Circle, is drawn to the remarks of the Examiner of Public Works Accounts in his office-note above recorded.

3. The supernumerary clerks should be absorbed on the occurrence of vacancies.

4. This sanction has been registered as Provincial No. 82 W. of 1890-91 and classified as Establishment, Permanent.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
,, Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 6th.

Recd. *Encl.*

G.O., 6th Feb. 1891, No. 346 W.

FEBRUARY.

Establishment

The proposition statement for the revision of establishment attached to the Coimbatore division, sanctioned as amended by the Examiner of Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 24th January 1891, No. 245 G.

With reference to rule I (*b*) of Resolution No. 1442 G., dated 13th December 1884, supplemented by rule 3 of Resolution No. 1475 G., dated 20th December 1884, and to your No. 2823 W., dated 24th October last, I am directed to inform you that the numbers worked out under the above rule must be whole numbers : an addition of one is to be allowed for a fraction greater than one-half in the case of the 1st, 2nd and 3rd grades, which will be first calculated, and the balance of the total number in the class will then be in the 4th grade.

ORDER—dated 7th February 1891, No. 356 W., Public Works.

Communicated to the Examiner, Public Works Accounts, with reference to G.O., No. 2822 W., dated 24th October 1890.

2. The table appended to the note to para. 35, Public Works Code, will be revised accordingly.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 7th.

Recd. *Encl.*

G.O., 7th Feb. 1891, No. 356 W.

FEBRUARY.

Scale of Executive and Assistant Engineers

Letter from the Government of India giving directions for working out the — and the method of dealing with fractions in calculating the scale.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

G.O., dated 28th January 1891, No. 69, Educational.

Read—the following paper :—

Endorsement of the Public Works Department, dated 29th August 1890, No. 720 D., transferring memorandum by the Chief Engineer, dated 28th August 1890.

Letter from the Director of Public Instruction, dated 15th November 1890, No. 11509.

I have the honor to return the memorandum by the Chief Engineer, Public Works Department, referred to me, for remarks, under date 20th October 1890, along with a communication on the same subject from the Principal, College of Engineering.

2. The Chief Engineer, in his memorandum, refers to the existence of 15 permanent vacancies at present in the Upper Subordinate establishment, out of which only six will be taken up if the notifications published in the Gazettes of 26th March and 11th June 1889 are to be given effect to. This unusually large number of vacancies is, as pointed out, the effect of the operation of G.O., No. 120, dated 28th February 1889, according to which the vacancies in the Upper Subordinate ranks were only filled up sub. *pro tem.*

3. Captain Love, in his letter, clearly shows and I have myself, in the reviews of the College reports, referred to the very same point, that the strength of the College is determined, mostly, if not almost entirely, by the number of appointments available. In these circumstances, as stated by Captain Love, it is to the interest of both the College and the Public Works Department that the number of vacancies available for the students of the College should be as large and at the same time as uniform as possible from year to year. The large number of vacancies available at present should, therefore, I think, be utilized in the best way possible in the interests of the College. Twelve students and not 14, as stated by the Chief Engineer, will complete their course of practical training at the end of this year and three not two as entered in the memorandum in 1891. The Chief Engineer recommends that six appointments should be given to the 1890 batch instead of three as notified in March last and two instead of three to the 1891 batch, the remaining seven vacancies being immediately filled up permanently otherwise. Captain Love, on the other hand, suggests that, out of the fifteen vacancies, nine should be given to the Engineer subordinates of 1890 and proposes that the remaining vacancies should be reserved for future years. His proposal meets with my entire approval. It is most desirable that there should be a number of appointments in reserve so as to be certain of a uniform number of permanent vacancies in the future.

4. The Principal further suggests that, if the number of vacancies in a year is too numerous, some of them might be given to the students of Engineer class. To this proposal I am strongly opposed for reasons given in my letter No. 9355, dated 13th December 1888. The question of the advisability of filling up vacancies in the Upper Subordinate establishment other than by those expressly trained for that grade was, moreover, *finally* settled in G.O., No. 120, dated 28th February 1889.

5. In conclusion, I beg to state that this reply would have been sent earlier, but the Acting Director desired that the question should be dealt with by me, and hence the papers were lying over till my return from Trivandrum.

Order—dated 28th January 1891, No. 69, Educational.

The Government concurs with the views of the Director of Public Instruction and accordingly nine of the vacant appointments will be assigned to the batch of students completing their practical course in December 1890. The remaining six vacancies will be reserved for the students of future years, being meantime filled up sub. *pro tem.* only.

2. The Public Works Department will revise the notification appearing in the Gazette of 26th March 1889 and settle the number of appointments available for the students of December 1892 in the light of the above remarks.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 9th February 1891, No. 364 W., Public Works.

The undermentioned passed Engineer subordinate students are appointed overseers, third grade, permanent :—

P. V. Ramaswami Aiyar.
C. J. W. Plummer.
P. M. Swaminatha Aiyar.

2. The number of appointments available for the students of December 1892 will be four, excluding the Military students.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Educational Department.
,, Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 9th.

Recd. *Encl.*

G.O., 9th Feb. 1891, No. 364 W.

FEBRUARY.

Passed Engineer Subordinate Students

Appointing three — as overseers, third grade, permanent.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

Note by the Secretary to Government, Public Works Department, dated 16th Oct. 1890.
" " " " " " " 24th " "

G.O., dated 26th January 1891, No. 604, Revenue.

Read—endorsement of the Public Works Department, dated 4th November 1890, No. 4520 C.

Abstract.—Forwarding, for favor of replies to the questions in the Honorable Member's note of the 1st November, whether the Board would like Sergeant Murphy to supervise their watchmen as formerly and whether they will get a tell-tale clock for the purpose and what is the present system of guarding the Revenue Board buildings.

Read—also the following Proceedings of the Board of Revenue (Land Revenue), dated 13th December 1890, Mis. No. 7957 :—

Read—the following official memorandum from the Secretary to Government, Revenue Department, dated 8th November 1890, No. 133 :—

The Secretary to the Commissioners of Land Revenue is requested to report what system of guarding the Revenue Board buildings during the night is now in force; whether the Board has any objection to place its watchmen as formerly under the supervision of Sergeant Murphy, who is in charge of the conservancy of the Chepâk Park and whether a tell-tale clock will be provided for the purpose.

2. A copy of the memorandum describing the arrangement proposed for the guarding of the Public Works buildings is enclosed for the information of the Board.

Resolution—dated 13th December 1890, Mis. No. 7957.

The Board begs to reply to official memorandum, dated 8th November 1890, No. 133, R.D. Under existing arrangements the Board watches its own buildings itself, the various departments each detail one or two peons and these men watch (or sleep outside) the portion of the buildings occupied by their own departments. They do not patrol, and, as there is nobody in charge of them and no system of communication between the various parties (*vide* para. 2 of Board's Proceedings, dated 6th November 1889, No. 6772, Land Revenue), the arrangement can hardly be said to be satisfactory. The peons detailed are shown in the margin.

	Peons.
Land Revenue	2
Salt	2
Settlement	1
Survey	1
Forest	1
Total ...	7

2. The Board would be glad to transfer the watching of the buildings to Sergeant Murphy and to buy a tell-tale clock if Government will sanction the purchase of one; but it would prefer that Sergeant Murphy should find his own men for himself. This was, in fact, the case up to the date of G.O., dated 1st July 1889, No. 1739 W., and

the Board's present establishment of peons was not fixed with any idea that the watching staff should be supplied from it. The men work during the day, and, as was understood in G.O., dated 17th August 1889, No. 5276, Revenue, sleep at night. If they are now to patrol and to pull at the tell-tale clock, as the Board agrees that they ought to, their day work must be wholly given up and their services wholly lost to the Board, and that this cannot be done without very great inconvenience may be judged from Board's Proceedings, dated 22nd July 1889, No. 4390, the Proceedings on which the Government order allowing the men to sleep was passed. Probably too, under Sergeant Murphy's orders, a smaller staff would suffice and this will certainly be the case when the iron gates sanctioned in G.O., dated 2nd October 1889, No. 659, Financial, are put up, as they shortly will be.

3. In any case, however, the Board would be ready to place the watching in charge of Sergeant Murphy. As pointed out in Board's Proceedings, dated 28th August 1889, No. 5246, a thief once inside the building could make his way all over it with ease and it is especially important that the watching of the whole building should be connected and in the charge of one man. If, therefore, Government cannot sanction the half dozen additional men required, the Board will place its own men to the number of 7, as at present detailed, under the orders of Sergeant Murphy and place the control of them in his hands. This will simply be a reversion to the position of former years, except it may be noted that the men, who are abolished, under G.O., dated 1st July 1889, No. 1739, from the establishment of the Consulting Architect, will now be re-entertained at the expense of the Board.

Order—dated 26th January 1891, No. 604, Revenue.

Transferred to the Public Works Department with reference to G.O., dated 4th November 1890, No. 4520 C., with the remark that the purchase of a tell-tale clock will be sanctioned, but that no additional establishment can be allowed (*vide* G.O., dated 2nd October 1889, No. 659, Financial).

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 16th February 1891, No. 432 W., Public Works.

The employment of four night watchmen to patrol the Public Works offices and the Revenue Board buildings is sanctioned. The men will be under the supervision of the Conservancy Inspector Sergeant Murphy and will be attached to the Consulting Architect's division.

2. The Board of Revenue will be requested to place under the orders of Sergeant Murphy the seven men mentioned in its Resolution and to inform the Consulting Architect when the tell-tale clock has been provided.

3. The sanction accorded in para. 1 has been registered as Provincial No. 84 W. of 1890-91 and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
" Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" " Railway Accounts.
" Revenue Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated February, 16th.

Recd. *Encl.*

G.O., 16th Feb. 1891, No. 432 W.

FEBRUARY.

Watchmen

The employment of four night — to patrol the Public Works offices and the Revenue Board buildings, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

G.O., dated 14th February 1891, No. 107, Revenue.

Read—endorsement, Public Works Department, dated 7th February 1891, No. 662 C.

Order—dated 14th February 1891, No. 107, Revenue.

The Public Works Department will be furnished with a copy of G.O., No. 193, dated 11th March 1890, Revenue, from which it will be seen that the travelling allowances of officials employed on census duty are a Provincial charge debitable to the head of account to which their salaries are ordinarily debitable. Claims to such allowances should be disposed of in the departments to which the officials concerned belong. As regards the adoption of special rules for the occasion, the Government considers that none are necessary and that the allowances should be regulated strictly in accordance with the provisions of the Civil Service Regulations.

(True Extract.)

(Signed) G. A. GALTON,
Secretary to Government.

ENCLOSURE.

G.O., dated 11th March 1890, No. 193, Revenue.

Read—the following G.O., dated 27th February 1890, No. 151, Financial:—

Read—the following extract from the Proceedings of the Government of India in the Home Department (Census), under date Calcutta, the 10th December 1889, No. 3—72-81 R.:—

Read—

Letter from the Census Commissioner for India, No. 4—1889, dated the 8th October 1889, on the subject of the expenses to be incurred in connection with the deputation of officers from the several provinces to the Census Conference to be held at Agra.

Resolution—

In accordance with the principle adopted in Home, Revenue and Agricultural Department Resolution No. 24—522 to 537 C., dated 31st December 1880, the Governor-General in Council is pleased to decide that Provincial Governments shall pay the salaries and travelling allowances of officers deputed to the Census Conference. The Census grant will be debited only with the extra cost, if any, involved in temporary appointments at the bottom of the list to fill the places of the officers deputed.

Order—

Ordered that a copy of this Resolution be forwarded to Local Governments and Administrations for information and guidance, and that a copy be forwarded to the Census Commissioner for India and the Department of Finance for information. Original papers returned.

(True Extract.)

(Signed) C. J. LYALL,
Offg. Secy. to the Govt. of India.

Order—dated 27th February 1890, No. 151, Financial.

Recorded.

(True Extract.)

(Signed) A. BUTTERWORTH,
Ag. Assistant Secretary.

Read—also the following Proceedings of the Government of India in the Department of Finance and Commerce (Accounts, &c.—Rules, &c.), dated Calcutta, the 22nd February 1890, No. 930 :—

Read—again the undermentioned Proceedings in the Home, Revenue and Agricultural Department regarding the incidence of charges connected with the Census of 1881 :—

(1) Resolution No. 8—120-131, dated the 4th August 1880.

(2) Resolution No. 24—522-537 C., dated the 31st December 1880.

Read—also—

Resolution in the Home Department, No. 3—72-81 R., dated the 10th December 1889, regarding the adjustment of the salaries and travelling allowances of officers deputed to the Conference held at Agra for the forthcoming census.

Resolution—

In accordance with the principle adopted on the occasion of the Census of 1880-81, the Governor-General in Council is pleased to direct that the salaries of Government officers deputed to duties in connection with the forthcoming census shall continue to be debited to the heads of account to which they were previously debitable and that their travelling allowances shall also be charged in the same way; while all other expenses, which, but for the census operations, would not have been incurred, including the extra cost, if any, involved in temporary appointments made at the bottom of the gradation lists to fill vacancies caused by the absence of officers deputed, shall be debited as Census charges and treated as Imperial.

Order—

Ordered that this Resolution be communicated to the Home Department, to all Local Governments and Administrations, to the Comptroller and Auditor General, and to all Accountants-General and Comptrollers.

(Signed) E. LAWRENCE,
Under-Secy. to the Govt. of India.

Order—dated 11th March 1890, No. 193, Revenue.

Census, No. 4.

Recorded.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 17th February 1891, No. 453 W., Public Works.

Communicated to the Examiner, Public Works Accounts, with reference to his office-note No. 719, dated 4th February 1891, also to other officers of the Public Works Department for information and guidance.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.
„ Superintending Engineer, IV Circle, with one enclosure.
To other Superintending Engineers.
To the Chief Engineer for Irrigation.
„ Consulting Engineer for Railways.
„ Consulting Architect to Government.
„ Superintendent of Works, Periyár Project.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 17th.

Recd: *Encl.*

G.O., 17th Feb. 1891, No. 453 W.

FEBRUARY.

Census

Orders in the Revenue Department regarding travelling allowances of officials employed on—duty, communicated to the Examiner, Public Works Accounts, and to the other officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Establishment.

READ—the following paper:—

From H. S. TAYLOR, Esq., Superintendent of Works, No. I Periyár Division, to the Chief Engineer, Public Works Department, dated Periyár, 27th January 1891, No. 414 S.E.

I have the honor to report on a fresh which occurred in the river on the night of the 20th instant. The gauge reading at—

5-30 P.M. was 18·20.	10-55 P.M. was 21·20.
10 P.M. „ 17·80.	11- 5 P.M. „ 22·00.

At midnight the water was over *the top* of the dam and it reached its highest point at about 1 A.M., when 3 feet was going over. These figures show a rise of 10 feet in three hours.

25·00.
(Intld.) J. P.

2. The water began to go down slowly after 1 o'clock. At 5 A.M. there was still 1 foot on the front wall.

3. The lower gauge was carried away by the fresh, but the marks show a rise to 10·91 at 500 feet below the dam. It must have been up to 15 on the lower wall, as only the chimneys of the pulsometer boilers were visible.

4. The result of the fresh is practically only to delay work until the water between the walls is pumped out. Scarcely a stone on the whole length of the front wall was displaced. Even the raising of the extension, which was quite green work, was entirely unharmed. The front 2 feet of this was laid in cement and the rest in surki.

5. The filling in between two of the piers was partially removed, also the temporary wooden lock bridge. Beyond this no damage whatever is visible. It cannot be ascertained until the water is pumped out whether the masonry at the rear of the walls, or the pulsometers, pipes, &c., have been injured, but it is not anticipated that they have been. One pulsometer boiler which had lately arrived, but had not been put in position, was carried some way down the river, but has been discovered. Further report, if anything special is noticed, will be made when the water has been pumped out.

6. There had been slight showers at Periyár for a day or two before, but barely enough to gauge. There were signs of a heavy storm raging far away in the east up the valley during the 20th afternoon, to which doubtless the fresh in the river was due. The Muliya Panjan did not rise an inch.

7. The principal incident of the night should be recorded, showing as a minor point the alarming rapidity with which the water rose but principally the devotion and pluck of three members of the staff which nearly cost them their lives.

8. Two barges, one carrying an engine and the other firewood, were moored alongside the left flank of the wall. Mr. Logan had uncoupled the barge engine from the pulsometer and returned to the 12 H. P. Mr. Mackenzie then joined him and proceeded across the wall to see the barges secured. The water was then ankle

deep on the wall and rising. Seeing that the supervisor was engaged in securing the barges Mr. Mackenzie returned by the same way to the assistance of Mr. Logan, followed by Sub-Overseer Mr. Rozario. Mr. Logan seeing danger approaching and that the pumping was useless had sent away the native driver. He and Mr. Mackenzie then turned the steam full on to the pulsometer, so that it could blow itself off, and proceeded to go along the wall to the *bridge*. It was now that the river rose by feet and by the time they were half across the volume of water pouring over the wall rendered it impossible to reach the bridge. They turned back to the 12 H.P. intending to cross again to the left flank, but, in the meantime, the water was more than 2 feet over the front wall and pouring down upon the engine. Their retreat was thus entirely cut off. The three took refuge on the boiler of the engine where they remained in a most precarious position from 12-30 to about 5 A.M. The water rose to its highest at about 1 A.M., when there were 3 feet going over the front wall.

9. The position can be imagined when it is remembered that the engine platform is at 16 and the water was pouring down upon it from a few feet off at 28.

10. Fortunately the engine was heavy enough to stand the shock of the water and logs being dashed against, for almost certain death awaited the three on the boiler if it had given way.

11. It was this position of the engine that rendered any assistance from the shore impossible. At last at about 5 A.M., when the flood had fallen 2 feet, two men belonging to a gang of lascars under Mr. Logan took a rope at great risk to themselves along the wall from the bridge to the engine and the three came back safely the same way by the aid of the rope.

12. I recommend that a substantial recognition of their pluck be made to these two men, by name (1) Thundell, (2) Syed Mahomed Pillai. At 6-30 A.M. on the 21st the upper gauge read 23·00, the river was falling and pumping is in progress.

13. Further report will be made if any damage worth recording becomes apparent.

ORDER—dated 19th February 1891, No. 476 W., Public Works.

His Excellency the Governor in Council learns with satisfaction that no damage to the works or loss of life was caused by the heavy and unexpected flood which occurred on the night of the 20th January.

2. He desires to express his approval of the courage and devotion displayed by Messrs. Mackenzie, Logan and Rozario and of the conduct of the lascars, Thundell and Syed Mahomed Pillai, who aided in rescuing them from their dangerous position.

3. A gratuity of Rs. 25 will be presented to each of the two lascars in acknowledgment of their conduct.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, Periyár Project.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

IRRIGATION.
ESTABLISHMENT.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated February, 19th.

Recd. *Encl.*

G.O., 19th Feb. 1891, No. 476 W.

FEBRUARY.

Flood in the Periyar

Approving the courage and devotion displayed by Messrs. Mackenzie, Logan and Rozario during the — on the 20th January and awarding Rs. 25 to each of the two lascars who aided in rescuing them from their dangerous position.